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AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this

application.

Claims 1 and 33 were previously canceled without prejudice or disclaimer.

Claims 23-27, 31 and 34-39 are canceled herein without prejudice or disclaimer.

Listing of Claims:

1. (Canceled)

2. (Previously Presented) A method comprising:

receiving, by a base station BS, a message from a mobile station MS within a wireless network,

the message indicating a current location of the MS and that the MS is in an Idle state; and

triggering the sending of further messages in the wireless network from the BS to a Packet

Control Function PCF, and from the PCF to a Packet Data Serving Node PDSN, and from the

PDSN to an Authentication, Authorization and Accounting AAA server, such that information

that is indicative of a current BS/PCF/PDSN affiliation of the MS at the current location of the

MS is recorded by the AAA server.

3. (Original) A method as in claim 2, where the MS is identified by its International Mobile

Subscriber Identity IMSI, and where the PDSN is identified by its Internet Protocol IP address.

4. (Original) A method as in claim 2, further comprising, in response to a presence of packet data

to be sent to the MS, querying the AAA server to obtain the current BS/PCF/PDSN affiliation of

the MS.

5. (Currently Amended) A method as in claim 2, where detecting the message comprises

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receiving a sub-paging zone identifier with of the MS, the method further comprising: comparing

the received sub-paging zone identifier with a previously received sub-paging zone identifier, and

detecting that the MS has changed its location in the wireless network when the received sub-

paging zone identifier does not match with the previously received sub-paging zone identifier.

6. (Original) A method as in claim 2, where the information comprises a sub-paging zone

identifier SPZ ID, a paging zone identifier PZID, and an Internet Protocol IP address of the

PDSN.

7. (Original) A method as in claim 6, further comprising, in response to an occurrence of a

network initiated data session (NIDS) for the MS, querying the AAA server to obtain at least the

SPZ ID, PZID and PDSN IP Address that are recorded for the MS.

8. (Previously Presented) A method comprising:

in response to receiving a Registration message from a mobile station MS at a base station BS

within a wireless network, the Registration message containing a sub-paging zone identifier

SPZ ID, sending further messages in the wireless network from the BS to a Packet Control

Function PCF, from the PCF to a Packet Data Serving Node PDSN, and from the PDSN to an

Authentication, Authorization and Accounting AAA server, such that information that is

indicative of a current location of the MS is recorded by the AAA server; and

in response to an occurrence of a network initiated data session (NIDS) for the MS, querying the

AAA server to obtain at least the current location of the MS.

9. (Original) A method as in claim 8, where the MS is identified by its International Mobile

Subscriber Identity IMSI, and where the PDSN is identified by its Internet Protocol IP address.

10. (Original) A method as in claim 8, where the information comprises the sub-paging zone

identifier SPZ ID, a paging zone identifier PZID, and an Internet Protocol IP address of the

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PDSN.

11. (Original) A method as in claim 10, where querying comprises querying the AAA server to

obtain at least the SPZ ID, PZID and PDSN IP Address that are recorded for the MS.

12. (Original) A method as in claim 8, where the message sent from the PDSN to the AAA server

is sent via a Lightweight Directory Access Protocol LDAP interface.

13. (Original) A method as in claim 8, where the message sent from the PDSN to the AAA server

is sent via a JAVA/SQL interface.

14. (Original) A method as in claim 8, where the message sent from the PDSN to the AAA server

is sent via a visited AAA server.

15. (Original) A method as in claim 8, where the message sent from the PDSN to the AAA server

is sent via at least one broker AAA server.

16. (Original) A method as in claim 8, where the message sent from the PCF to the PDSN is sent

via an A10/A11 interface.

17. (Original) A wireless network operable with a mobile station MS, comprising a base station

BS, responsive to receiving a Registration message from a MS that contains a sub-paging zone

identifier SPZ ID, for sending a message from the BS to a Packet Control Function PCF via an

A8/A9 interface, said PCF, in response to receiving the message from the BS, for sending a

message to a Packet Data Serving Node PDSN via an A10/A11 interface, said PDSN, responsive

to receiving the message from the PCF, for sending a message to a home Authentication,

Authorization and Accounting AAA server via one of a Lightweight Directory Access Protocol

LDAP interface or a JAVA/SQL interface, said home AAA server recording information that is

indicative of a current location of the MS, and further being responsive to a query received in

response to an occurrence of a network initiated data session (NIDS) for the MS, for returning at

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least the current location of the MS.

18. (Original) A wireless network as in claim 17, where the MS is identified by its International

Mobile Subscriber Identity IMSI, and where the PDSN is identified by its Internet Protocol IP

address.

19. (Original) A wireless network as in claim 17, where the information comprises the sub-

paging zone identifier SPZ ID, a paging zone identifier PZID, and an Internet Protocol IP

address of the PDSN.

20. (Original) A wireless network as in claim 19, where querying comprises querying the home

AAA server to obtain at least the SPZ ID, PZID and PDSN IP Address that are recorded for the

MS.

21. (Original) A wireless network as in claim 17, where the message sent from the PDSN to the

home AAA server is sent via a visited AAA server.

22. (Original) A wireless network as in claim 17, where the message sent from the PDSN to the

home AAA server is sent via at least one broker AAA server.

23-27. (Canceled)

28. (Currently Amended) A base station BS operable in a wireless network for receiving a

Registration message from a mobile station MS, the Registration message containing a sub-

paging zone identifier SPZ_ID, said BS, in response to receiving the Registration message,

triggering the sending a-of further messages in the wireless network from the BS to a Packet

Control Function PCF, said PCF, in response to receiving the message from the BS, for sending a

message and from the PCF to a Packet Data Serving Node PDSN, said PDSN, responsive to

receiving the message from the PCF, for sending a message and from the PDSN to a home

Authentication, Authorization and Accounting AAA server, said home AAA server recording

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such that information that is indicative of a current location of the MS is sent to the home AAA

server, and further being responsive to a query received in response to an occurrence of a network

initiated data session (NIDS) for the MS, for returning at least the current location of the MS for

enabling data to be received by the MS at its current location via the BS.

29. (Original) A BS as in claim 28, where the MS is identified by its International Mobile

Subscriber Identity IMSI, and where the PDSN is identified by its Internet Protocol IP address.

30. (Original) A BS as in claim 28, where the information comprises the sub-paging zone

identifier SPZ ID, a paging zone identifier PZID, and an Internet Protocol IP address of the

PDSN.

31. (Canceled)

32. (Original) A BS as in claim 28, where the message sent from the PDSN to the home AAA

server is sent via at least one of a visited AAA server and a broker AAA server.

33. (Canceled)

34-39. (Canceled)